

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	562/450.ccls. and 562/489.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 03:12
S2	249	562/494.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 03:13
S3	0	562/494.ccls. and "522"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 03:14
S5	1	562/494.ccls. and 562/450.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 03:17
S6	1	562/494.ccls. and (folic folate folyl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 03:20
S7	1	562/494.ccls. and (aminobenzoyl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 03:29
S13	9	562/442.ccls. and (aminobenzoyl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 03:29
S14	4	562/443.ccls. and (aminobenzoyl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 03:34
S15	9	("5298647").URPN.	USPAT	OR	ON	2007/06/25 03:33
S16	23	562/450.ccls. and (aminobenzoyl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 03:56
S17	23	S16 not (S15)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 03:34
S21	0	562/489.ccls. and (aminobenzoyl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 03:56

EAST Search History

S22	0	562/493.ccls. and (aminobenzoyl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 03:59
S23	1	564/448.ccls. and (aminobenzoyl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 04:00
S24	440	564/448.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 04:00
S25	64	564/448.ccls. and "562"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 04:55
S26	84	436/505.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 04:57
S27	42	436/505.ccls. and (hydrochloric hcl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 04:58
S28	42	436/505.ccls. and (hydrochloric hcl "hydrogen chloride" hydrobromic hbr "hydrogen bromide" bromane hydrofluoride "hydrogen fluoride" fluorane fluorhydric hydrofluoric hydroiodic iodane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 05:05
S29	41	436/505.ccls. and (hydrochloric hcl "hydrogen chloride" hydrobromic hbr "hydrogen bromide" bromane hydrofluoride "hydrogen fluoride" fluorane fluorhydric hydrofluoric hydroiodic iodane) and (blood serum plasma)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 05:05
S30	15	436/505.ccls. and ((hydrochloric hcl "hydrogen chloride" hydrobromic hbr "hydrogen bromide" bromane hydrofluoride "hydrogen fluoride" fluorane fluorhydric hydrofluoric hydroiodic iodane) same (blood serum plasma))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 05:07
S31	1	436/505.ccls. and ((hydrochloric hcl "hydrogen chloride" hydrobromic hbr "hydrogen bromide" bromane hydrofluoride "hydrogen fluoride" fluorane fluorhydric hydrofluoric hydroiodic iodane) same (blood serum plasma)) and (aminobenzoic aminobenzoate aminobenzyl aminobenzoyl glutamyl glutamic glutamate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 05:10
S32	10	436/505.ccls. and ((hydrochloric hcl "hydrogen chloride" hydrobromic hbr "hydrogen bromide" bromane hydrofluoride "hydrogen fluoride" fluorane fluorhydric hydrofluoric hydroiodic iodane) and (blood serum plasma)) and (aminobenzoic aminobenzoate aminobenzyl aminobenzoyl glutamyl glutamic glutamate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 05:10
S33	2	("20050181364").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/25 06:04

EAST Search History

S34	332	((folate near3 diglutamate near3 transpeptidase) (Glutamate near3 Carboxypeptidase) (Glutamyl near3 Hydrolase) (glutamate near3 carboxypeptidase))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 06:07
S35	52	((folate near3 diglutamate near3 transpeptidase) (Glutamate near3 Carboxypeptidase) (Glutamyl near3 Hydrolase) (glutamate near3 carboxypeptidase)) and (aminobenzoic aminobenzoate aminobenzyl\$ aminobenzoyl\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 06:21
S36	86	435/18.ccls. and (aminohydrolase deaminase)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 06:26
S37	15	435/18.ccls. and (aminohydrolase deaminase) and (folate folic folyl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 06:36
S38	27	435/18.ccls. and (folate folic folyl) and (aminobenzoic aminobenzoate aminobenzyl aminobenzoyl glutamyl glutamic glutamate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 06:42
S39	9	435/18.ccls. and ((folate folic folyl) same (aminobenzoic aminobenzoate aminobenzyl aminobenzoyl glutamyl glutamic glutamate))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 06:42



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Search

Most Recent Queries

Time Result

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|-----|--|----------|------------|
| #17 | Search ("folate diglutamate amino acid transpeptidase "[Substance Name] OR "Glutamate Carboxypeptidase II"[Mesh] OR "gamma-Glutamyl Hydrolase"[Mesh] OR "glutamate carboxypeptidase II, human "[Substance Name]) | 06:03:45 | <u>718</u> |
| #36 | Search ("folate diglutamate amino acid transpeptidase "[Substance Name] OR "Glutamate Carboxypeptidase II"[Mesh] OR "gamma-Glutamyl Hydrolase"[Mesh] OR "glutamate carboxypeptidase II, human "[Substance Name]) AND (PABA OR PDBA) | 05:55:37 | <u>2</u> |
| #22 | Search ("folate diglutamate amino acid transpeptidase "[Substance Name] OR "Glutamate Carboxypeptidase II"[Mesh] OR "gamma-Glutamyl Hydrolase"[Mesh] OR "glutamate carboxypeptidase II, human "[Substance Name]) AND (aminobenzyl* OR aminobenzoyl*) | 04:08:49 | <u>8</u> |

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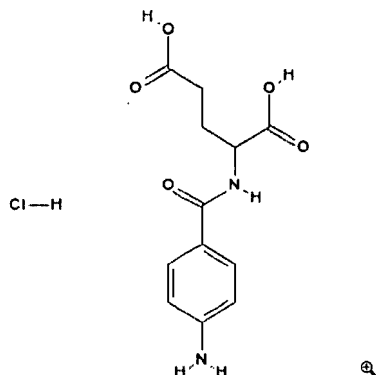
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Compound Summary:



CID: 458773
Parent CID: 65138
Unique Components: 2 Links

Substance: 1 Link

Similar Compounds: 49 Links

Structure Search

Synonyms

Properties

Descriptors

Category

Exports

Depositor-Supplied Synonyms: (Total: 3)

AIDS019146

Sort: **Weight** <http://pubchem.ncbi.nlm.nih.gov/summary/summary.cgi?cid=458773>

6/25/07

AIDS-019146
N-(p-Aminobenzoyl)-L-glutamic acid

Properties Computed from Structure:

Molecular Weight: 302.711g/mol
Molecular Formula: C₁₂H₁₅ClN₂O₅

Hydrogen Bond Donor Count: 5
Hydrogen Bond Acceptor Count: 6
Rotatable Bond Count: 6
Tautomer Count: 3
Topological Polar Surface Area: 130

Descriptors Computed from Structure:

IUPAC Name: 2-[(4-aminobenzoyl)amino]pentanedioic acid hydrochloride
Canonical SMILES: C1=CC(=CC=C1C(=O)NC(CCC(=O)O)C(=O)O)N.Cl
InChI: InChI=1/C12H14N2O5.ClH/c13-8-3-1-7(2-4-8)11(17)14-9(12(18)19)5-6-10(15)16;/h1-4,9H,5-6,13H2,(H,14,17)(H,15,16)(H,18,19);1H/f/h14-15,18H;

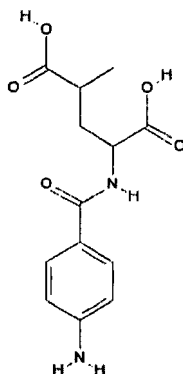
Substance Category:

Biological Properties: 1 Link

ASN1	Display	XML	Display	SDF	Display
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Compound Summary:



CID: 577431

Substance: 1 Link

Similar Compounds: 61 Links

Structure Search

Synonyms

Properties

Descriptors

Category

Exports

Depositor-Supplied Synonyms:

p-Aminobenzoyl-di-4-methyl-di-glutamic acid

<http://pubchem.ncbi.nlm.nih.gov/summary/summary.cgi?cid=577431>

6/25/07

CID 577431 -- PubChem Compound Summary

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Properties Computed from Structure:

Molecular Weight: 280.277g/mol
Molecular Formula: C₁₃H₁₆N₂O₅

XLogP: -1.9

Hydrogen Bond Donor Count: 4
Hydrogen Bond Acceptor Count: 6
Rotatable Bond Count: 6
Tautomer Count: 3
Topological Polar Surface Area: 130

Descriptors Computed from Structure:

IUPAC Name: 2-[(4-aminobenzoyl)amino]-4-methyl-pentanedioic acid
Canonical SMILES: CC(CC(C(=O)O)NC(=O)C1=CC=C(C=C1)N)C(=O)O
InChI: InChI=1/C13H16N2O5/c1-7(12(17)18)6-10(13(19)20)15-11(16)8-2-4-9(14)5-3-8/h2-5,7,10H,6,14H2,1H3,(H,15,16)(H,17,18)(H,19,20)/t/h15,17,19H

Substance Category:

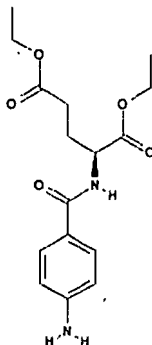
Physical Properties: 1 Link

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Compound Summary:



CID: 73002

NLM Toxicology: Link

Substances: 5 Links

Related Compounds:

Same, Connectivity: 3 Links

Same, Isotopes: 2 Links

Similar Compounds: 113 Links

Structure Search

Synonyms

Properties

Descriptors

Category

Exports

Depositor-Supplied Synonyms: (Total: 5)

EINECS 237-293-1

Sort: Weight

<http://pubchem.ncbi.nlm.nih.gov/summary/summary.cgi?cid=73002>

6/25/07

CID 73002 -- PubChem Compound Summary

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NSC 82885
ZINC01730527
Diethyl N-(4-aminobenzoyl)-L-glutamate
13726-52-8

Properties Computed from Structure:

Molecular Weight: 322.356g/mol
Molecular Formula: $C_{16}H_{22}N_2O_5$

XLogP: 1.5

Hydrogen Bond Donor Count: 2
Hydrogen Bond Acceptor Count: 6
Rotatable Bond Count: 10
Tautomer Count: 3
Topological Polar Surface Area: 108

Descriptors Computed from Structure:

IUPAC Name: diethyl (2S)-2-[(4-aminobenzoyl)amino]pentanedioate
Canonical SMILES: CCOC(=O)CCC(C(=O)OCC)NC(=O)C1=CC=C(C=C1)N
Isomeric SMILES: CCOC(=O)CC[C@@H](C(=O)OCC)NC(=O)C1=CC=C(C=C1)N
InChI: InChI=1/C16H22N2O5/c1-3-22-14(19)10-9-13(16(21)23-4-2)18-15(20)11-5-7-12(17)8-6-11/h5-8,13H,3-4,9-10,17H2,1-2H3,(H,18,20)/t13-m/s1/f/h18H

Substance Category:

Biological Properties: 1 Link
Journal Publishers: 1 Link
Physical Properties: 1 Link
Substance Vendors: 2 Links
Theoretical Properties: 1 Link
Toxicology: 1 Link

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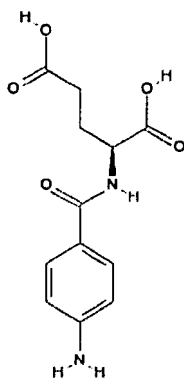
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Search

PubChem Compound

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Compound Summary:



CID: 196473

NLM Toxicology: Link

Substances: 3 Links

Related Compounds:

Same, Connectivity: 5 Links

Same, Stereochemistry: 4 Links

Same, Isotopes: 2 Links

Similar Compounds: 58 Links

Structure Search

Mesh

Synonyms

Properties

Descriptors

Category

Exports

Medical Subject Annotations: (Total:1)

4-aminobenzoyl-poly-gamma-glutamate

<http://pubchem.ncbi.nlm.nih.gov/summary/summary.cgi?cid=196473>

6/25/07

CID 196473 -- PubChem Compound Summary

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PubMed via MeSH

Depositor-Supplied Synonyms: (Total: 6)

Sort: Weight

Pabpgga

4-Aminobenzoyl-poly-gamma-glutamate

para-Aminobenzoylpoly-gamma-glutamic acid

N-(4-Aminobenzoyl)-gamma-oligo-(glutamic acid)

L-Glutamic acid, N-(4-aminobenzoyl)-, homopolymer

76567-21-0

Properties Computed from Structure:

Molecular Weight: 266.25g/mol

Molecular Formula: C₁₂H₁₄N₂O₅

XLogP: -2.2

Hydrogen Bond Donor Count: 4

Hydrogen Bond Acceptor Count: 6

Rotatable Bond Count: 6

Tautomer Count: 3

Topological Polar Surface Area: 130

Descriptors Computed from Structure:

IUPAC Name: (2S)-2-[(4-aminobenzoyl)amino]pentanedioic acid

Canonical SMILES: C1=CC(=CC=C1C(=O)NC(CCC(=O)O)C(=O)O)N

Isomeric SMILES: C1=CC(=CC=C1C(=O)N[C@@H](CCC(=O)O)C(=O)O)N

InChI: InChI=1/C12H14N2O5/c13-8-3-1-7(2-4-8)11(17)14-9(12(18)19)5-6-10(15)16/h1-4,9H,5-6,13H2,(H,14,17)(H,15,16)(H,18,19)/t9-m/s1/f/h14-15,18H

**Substance Category:** [2](#)**Biological Properties:** [1 Link](#)**Journal Publishers:** [1 Link](#)**Toxicology:** [1 Link](#)

ASN1	Display	XML	Display	SDF	Display
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Structure

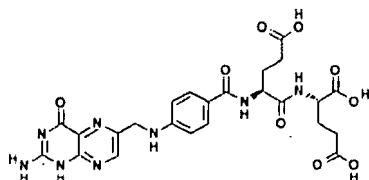
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Compound Summary:



CID: 3080631

NLM Toxicology: Link

Substance: 1 Link

Related Compounds:

Same, Connectivity: 2 Links

Similar Compounds: 162 Links

Structure Search

Mesh	Synonyms	Properties	Descriptors	Category	Exports
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Medical Subject Annotations: (Total:1)

folate monoglutamate

<http://pubchem.ncbi.nlm.nih.gov/summary/summary.cgi?cid=3080631>

6/25/07

CID 3080631 -- PubChem Compound Summary

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PubMed via MeSH

Depositor-Supplied Synonyms: (Total: 7)

Sort: Weight

Diopterin

Folate monoglutamate

Pteroyl diglutamic acid

580-11-0

63938-53-4

6807-82-5

L-Glutamic acid, N-(N-(4-(((2-amino-1,4-dihydro-4-oxo-6-pteridiny)l)methyl)amino)benzoyl)-L-alpha-glutamyl)-

Properties Computed from Structure:

Molecular Weight: 570.512g/mol

Molecular Formula: C₂₄H₂₆N₈O₉

XLogP: -3.3

Hydrogen Bond Donor Count: 8

Hydrogen Bond Acceptor Count: 14

Rotatable Bond Count: 14

Tautomer Count: 54

Topological Polar Surface Area: 275

Descriptors Computed from Structure:

IUPAC Name: (2S)-2-[[[4-[[2-[[4-[[2-amino-4-oxo-1H-pteridin-6-yl)methylamino]benzoyl]amino]-4-carboxybutanoyl]amino]pentanedioic acid

Canonical SMILES: C1=CC(=CC=C1C(=O)N(CCC(=O)O)C(=O)N(CCC(=O)O)C(=O)O)NCC2=CN=C3C(=N2)C(=O)N=C(N3)N

Isomeric SMILES: C1=CC(=CC=C1C(=O)N[C@@H](CCC(=O)O)C(=O)N[C@@H](CCC(=O)O)C(=O)O)

<http://pubchem.ncbi.nlm.nih.gov/summary/summary.cgi?cid=3080631>

6/25/07

NCC2=CN=C3C(=N2)C(=O)N=C(N3)N

InChI: InChI=1/C24H26N8O9/c25-24-31-19-18(22(39)32-24)28-13(10-27-19)9-26-12-3-1-11(2-4-12)20(37)29-14(5-7-16(33)34)21(38)30-15(23(40)41)6-8-17(35)36/h1-4,10,14-15,26H,5-9H2,(H,29,37)(H,30,38)(H,33,34)(H,35,36)(H,40,41)(H3,25,27,31,32,39)/t14-,15-/m0/s1/f/h29-31,33,35,40H,25H2 [\[1\]](#)


 **Substance Category:** [\[2\]](#)



Toxicology: 1 Link

ASN1	Display	XML	Display	SDF	Display
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NCC2=CN=C3C(=N2)C(=O)N=C(N3)N

InChI: InChI=1/C44H54N12O21/c45-21(36(66)67)5-10-26(57)43(15-30(61)62,27(58)11-6-22(46)37(68)69)44(28(59)12-7-23(47)38(70)71,41(76)77-31(63)14-9-25(49)40(74)75)56(29(60)13-8-24(48)39(72)73)35(65)18-1-3-19(4-2-18)51-16-20-17-52-33-32(53-20)34(64)55-42(50)54-33/h1-4,17,21-25,51H,5-16,45-49H2,(H,61,62)(H,66,67)(H,68,69)(H,70,71)(H,72,73)(H,74,75)(H3,50,52,54,55,64)/t21-,22-,23-,24-,25-,44+/m0/s1/f/h54,61,66,68,70,72,74H,50H2 

 **Substance Category:** 

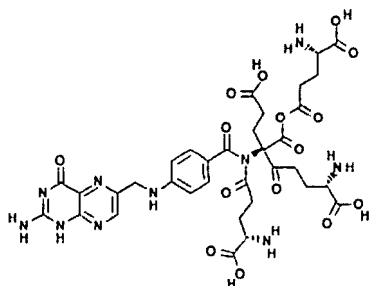
Toxicology: 1 Link

ASN1	Display	XML	Display	SDF	Display
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Compound Summary:

CID: 3080757 [?](#) <#> NLM Toxicology: [Link](#) [?](#) Substance: [1 Link](#) [?](#) Similar Compounds: [15 Links](#) [?](#) Structure Search [?](#)

Mesh	Synonyms	Properties	Descriptors	Category	Exports
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 Medical Subject Annotations: (Total:1) [?](#) [triglutamate folate](#)<http://pubchem.ncbi.nlm.nih.gov/summary/summary.cgi?cid=3080757>

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CID 3080757 -- PubChem Compound Summary

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PubMed via MeSH

 Depositor-Supplied Synonyms: (Total: 7) [?](#)Sort:

Pteglu3

Triglutamate folate

29701-38-0

39555-44-7

54429-91-3

57361-59-8

L-Glutamic acid, N-(N-(N-(4-(((2-amino-1,4-dihydro-4-oxo-6-pteridinyl)methyl)amino)benzoyl)-L-gamma-glutamyl)-L-gamma-glutamyl)-L-gamma-glutamyl)-

 Properties Computed from Structure: [?](#)

Molecular Weight: 828.74g/mol

Molecular Formula: C₃₄H₄₀N₁₀O₁₅

XLogP: -8.7

Hydrogen Bond Donor Count: 10

Hydrogen Bond Acceptor Count: 23

Rotatable Bond Count: 24

Tautomer Count: 36


Topological Polar Surface Area: 430

 Descriptors Computed from Structure: [?](#)

IUPAC Name: (2S,6R)-2-amino-6-[[[(4S)-4-amino-4-carboxy-butanoyl]-[4-[[[2-amino-4-oxo-1H-pteridin-6-yl)methylamino]benzoyl]amino]-6-[(4S)-4-amino-4-carboxy-butanoyl]oxycarbonyl-5-oxo-nonanedioic acid

Canonical SMILES: C1=CC(=CC=C1C(=O)N(C(=O)CCC(C(=O)O)N)C(CCC(=O)O)C(=O)CCC(C(=O)O)N)C(=O)OC(=O)CCC(C(=O)O)N)NCC2=CN=C3C(=N2)C(=O)N=C(N3)N

Isomeric SMILES: C1=CC(=CC=C1C(=O)N(C(=O)CC[C@@H](C(=O)O)N)[C@](CCC(=O)O)(C(=O)CC[C@@H](C(=O)O)N)C(=O)OC(=O)CC[C@@H](C(=O)O)N)NCC2=CN=C3C(=N2)C(=O)N=C(N3)N
InChI: InChI=1/C34H40N10O15/c35-18(29(52)53)5-8-21(45)34(12-11-23(47)48,32(58)59-24(49)10-7-20(37)31(56)57)44(22(46)9-6-19(36)30(54)55)28(51)15-1-3-16(4-2-15)39-13-17-14-40-26-25(41-17)27(50)43-33(38)42-26/h1-4,14,18-20,39H,5-13,35-37H2,(H,47,48)(H,52,53)(H,54,55)(H,56,57)(H3,38,40,42,43,50)/t18-,19-,20-,34+/m0/s1/f/h42,47,52,54,56H,38H2

 **Substance Category:** [\[?\]](#)

Toxicology: [1 Link](#)

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